

Converting Colors

XYZ(38.6899, 36.1435, 19.6151)

Have a look what the booklet for
XYZ(38.6899, 36.1435, 19.6151)
contains.

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Color

**XYZ(38.5097, 35.9555,
19.6623)**

Conversions

Conversions Part 1

Format	Color
Hex	CB976E
RGB	203, 151, 110
RGB Percent	80%, 59%, 43%
CMY	0.2039, 0.4078, 0.5686
CMYK	0.00, 0.26, 0.46, 0.20
HSL	26°, 47%, 61%
HSV	26°, 46%, 80%
XYZ	38.5097, 35.9555, 19.6623
YIQ	161.8740, 44.1530, -1.7270

Conversions

Conversions Part 2

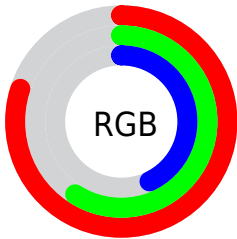
Format	Color
R_{YB}	203, 183, 110
Decimal	13342574
CIE _{Lab}	66.49, 14.44, 29.17
CIE _{LCh}	66, 32.549, 63.665
Yxy	35.9555, 0.4091, 0.3820
Android (android.graphics.Color)	4291532654 (0xFFC9976E)
YUV	161.8740, -25.5739, 36.0675
Hunter-Lab	59.9629, 9.7021, 22.5324

Details

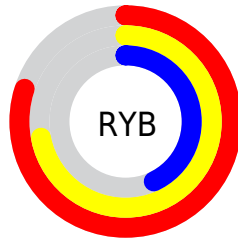
The XYZ color **38.5097, 35.9555, 19.6623** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.1297, 33.4662, 61.3715**, and the grayscale version is **34.3859, 36.1766, 39.3964**.

A 20% lighter version of the original color is **69.5929, 67.5313, 43.5493**, and **17.4593, 15.6652, 6.6609** is the 20% darker color. If you saturate the color by 10%, you get **35.7892, 32.0853, 13.9132**, and if you desaturate by 10%, it is **41.6610, 40.2822, 26.8048**.

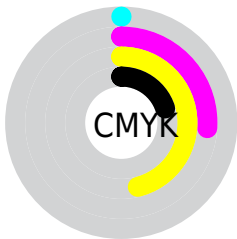
Distribution



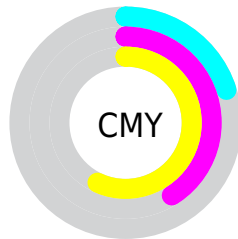
- Red (80%)
- Green (59%)
- Blue (43%)



- Red (80%)
- Yellow (72%)
- Blue (43%)



- Cyan (0%)
- Magenta (26%)
- Yellow (46%)
- Black (20%)





- Cyan (20%)
- Magenta (41%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5097, 35.9555, 19.6623 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.5097, 35.9555, 19.6623 by changing the saturation by 10% instead.


 38.5097, 35.9555,
19.6623


 38.5097, 35.9555,
19.6623


331.0446,
328.7660, 262.6245


 26.5575, 24.3998,
11.9682


 72.1876, 68.9634,
43.7018


 17.3761, 15.6305,
6.5997


 94.6440, 91.1844,
60.8842

 10.5999, 9.2631,
3.1384


 121.3325,
117.7293, 82.0665

 5.8638, 4.9132,
1.1658

 152.6186,
148.9824, 107.6672

 2.8023, 2.1964,
0.0000

188.8674,
185.3283, 138.1048

 1.0501, 0.7180,
0.0000

230.4445,

 0.0000, 0.0000,

227.1513, 173.7978

0.0000

277.7151,
274.8357, 215.1649

■ 38.5097, 35.9555,
19.6623

■ 38.5097, 35.9555,
19.6623

■ 35.7892, 32.0853,
13.9132

■ 41.6610, 40.2822,
26.8048

■ 33.4744, 28.6495,
9.4614

■ 45.2612, 45.0759,
35.4238

■ 31.5413, 25.6316,
6.2020


■ 49.3301, 50.3535,
45.5981


■ 29.9615, 23.0115,
4.0121


■ 53.8858, 56.1291,
57.4005


■ 28.7008, 20.7664,
2.7398


■ 58.9452, 62.4163,
70.8990

 28.2431, 19.9255,
2.3574

 64.5242, 69.2280,
86.1577

 70.6382, 76.5769,
103.2376

 74.3717, 83.3028,
106.7670

 77.8517, 90.2627,
107.9270

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5967, 35.9555, 26.0591



38.5097, 35.9555, 19.6623



33.5781, 35.9555, 17.9845

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.5097, 35.9555, 19.6623



25.6377, 35.9555, 40.8931



39.6461, 35.9555, 66.0539

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.5097, 35.9555, 19.6623



30.1297, 33.4662, 61.3715

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



34.7782, 35.9555, 72.5683



38.5097, 35.9555, 19.6623



26.9430, 35.9555, 56.0208

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.5097, 35.9555, 19.6623



26.4341, 35.9555, 28.3946



30.1777, 35.9555, 68.5194



43.2954, 35.9555, 52.3256

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.5097, 35.9555, 19.6623



30.5439, 35.9555, 19.3298



30.1777, 35.9555, 68.5194



38.0822, 35.9555, 69.2908

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.5106, 35.9572, 19.6630



83.7856, 85.8301, 79.3760



36.7887, 26.4823, 37.6825



17.5938, 17.9362, 16.1227



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5106, 35.9572, 19.6630



59.9609, 53.7736, 23.3634



47.3640, 53.6641, 22.6141



11.6126, 12.0141, 11.7863



18.0614, 12.8557, 1.5295



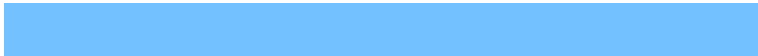
1.0069, 0.8136, 0.1040

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.1297, 33.4662, 61.3715



44.1933, 49.0598, 101.7480



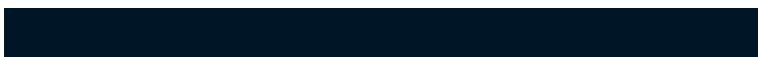
23.4787, 20.1642, 59.1545



11.1132, 11.8669, 14.2752



10.7454, 10.5148, 37.4195



0.6292, 0.6922, 1.9554

Previews

White Background



This preview shows how the XYZ color 38.5097, 35.9555, 19.6623 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.5097, 35.9555, 19.6623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

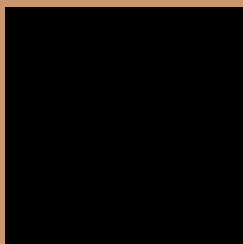
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5097, 35.9555, 19.6623

Background



This preview shows how black text looks on a background with the XYZ color 38.5097, 35.9555, 19.6623.



This preview shows how white text looks on a background with the XYZ color 38.5097, 35.9555,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.5097, 35.9555, 19.6623

Protanopia

33.6940, 36.1924, 21.4296

Deuteranopia

36.7298, 36.0162, 19.4839



Tritanopia

41.8583, 35.9165, 36.1789

Trichromacy



Original Color

38.5097, 35.9555, 19.6623

Protanomaly

35.2151, 35.9603, 20.7078

Deuteranomaly

37.3419, 36.0856, 19.4651

Tritanomaly

40.5475, 35.8533, 29.2094

Monochromacy



Original Color

38.5097, 35.9555, 19.6623

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.3162, 35.7840, 31.0322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5097, 35.9555, 19.6623 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(203, 151, 110)` looks like.

```
.text, #text, p{  
    color:rgb(203, 151, 110)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(203, 151, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 151, 110) }
```

Border

The CSS property to change the border of an element to XYZ 38.5097, 35.9555, 19.6623 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 151, 110) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(203, 151, 110) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(203, 151, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 151, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 151, 110); box-shadow:4px 4px 4px 4px rgb(203, 151, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5097, 35.9555, 19.6623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 151, 110) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(203,  
151, 110) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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